## IN THE CLAIMS

Please make the following claim substitutions:

<ol> <li>(Currently amended) A method of regulating traffic in a communications</li> </ol>
network comprising the steps of:
aggregating one or more component traffic flows into a component traffic stream
aggregating one or more component traffic streams into an aggregate stream;
carrying the aggregate stream in a single, FIFO queue; and
generating selective backpressure on selected ones of the component traffic
streams such that selected ones of the component streams are desirably regulated.



- 2. (Currently amended) The method according to claim 1, wherein said aggregation of the one or more traffic flows is performed according to the <u>a</u> destination of the traffic flows and the similarity of the Quality of Service requirements of the traffic flows.
- 3. (Currently amended) The method according to claim 3 1, wherein said aggregation of the one or more component traffic streams into an said aggregate stream is performed according to the a destination of the component traffic stream.
- 4. (Currently amended) The method according to claim 3, wherein said aggregation is performed according to the an absence of delay guarantees.
  - 5. (Canceled)
- 6. (Currently amended) The method according to claim 5 1, wherein said generating selective backpressure step comprises the steps of: maintaining an aggregate queue occupancy counter;
- maintaining a credit counter for each component traffic stream; and asserting selective backpressure for a specific one of the component traffic streams when the a corresponding credit counter reaches a predetermined threshold.
- 7. (Original) The method according to claim 6 further comprising the steps of initializing the credit counter to a maximum value;

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- backpressure is applied towards both the Guaranteed Bandwidth Traffic Stream and the Best Effort Traffic Stream and wherein said second type of backpressure applies toward the Best Effort Traffic Stream.
- 12. (Currently amended) The method according to claim 44 10, wherein said step of maintaining a said Best Effort credit counter further comprises the steps of:

3	initializing the counter to a maximum value;
4	incrementing the counter when an excess bandwidth service is provided to said
5	aggregate queue;
6	decrementing the counter when a data item arrival is associated with excess
7	bandwidth service; and
8	resetting the counter to its maximum value each time th eoccupancy the
9	occupancy of said aggregate queue reaches a value of zero.
1	13. (Original) The method according to claim 12 wherein said incrementing
^2	step is not performed if the first type of backpressure is asserted.
1	14. (Original) The method according to claim 12, wherein said
2	decrementing step is not performed if the arriving data item belongs to the Guaranteed
3	Bandwidth Traffic Stream.
1	15. (Currently amended) The method according to claim 10, wherein said step
2	of asserting a first type of backpressure occurs whenever the aggregate queue
3	occupancy <del>conter</del> counter exceeds a predefined threshold.
1	16. (Original) The method according to claim 10, wherein said step of
2	asserting a second type of backpressure occurs whenever the Best Effort credit counter
3	reaches a value of zero.